

PROCEDURE:		STANDARD REPAIR TIMES MANUAL		MODULE:	2
DOC. NO:		Reference		PAGE:	5
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MODEL	SRO NO.	HOURS	OPERATION
VII	0039	1.0	Air Bellows (Rear) – Remove and Replace (each) <ol style="list-style-type: none"> 1. Support air suspension and bus chassis. 2. Drain air from bellows. 3. Remove air line. 4. Remove upper and lower mounting bolts. 5. Replace bellow. 6. Check for leaks.
VII	0040	1.2	Rear Wheel Bearing Repack (each) <ol style="list-style-type: none"> 1. Loosen slack adjuster. 2. Remove axle nuts, wedges and axle. 3. Remove wheel bearing & retaining hardware. 4. Remove wheels, drum, and hub as an assembly. 5. Remove ABS exciter ring and inner wheel seal. 6. Wash both bearings in approved solvent. <p>NOTE: Do not spin dry with compressed air.</p> <ol style="list-style-type: none"> 7. Inspect and clean wheel bearing races in hub assembly. 8. Inspect wheel bearings for wear or damage. 9. Repack wheel bearings with approved grease (use bearing packer for best results) 10. Install inner bearing into hub. 11. Install new inner wheel seal. 12. Reinstall ABS exciter ring. 13. Slide wheel drum and hub assembly over axle tube. 14. Install outer wheel bearing and bearing retainer hardware (torque to specs) 15. Install axle and retaining hardware. 16. Re-adjust slack adjuster.
VII	0041	2.8	Rear Hub Overhaul (each) <ol style="list-style-type: none"> 1. Remove wheels and drum from hub assembly on bus. 2. Remove axle assembly and loosen slack adjuster. 3. Remove wheel bearing axle lock nuts and locking plate and washer. 4. Slide hub off axle tube. 5. Remove ABS exciter ring and inner wheel seal. 6. Remove inner bearing. 7. Drive out inner & outer wheel bearing races. 8. Wash hub in approved solvent and check for damage and cracks to hub. 9. Drive in new inner and outer bearing races (races must fit tight) 10. Grease pack new bearings. 11. Install inner bearing and new inner bearing seal. 12. Reinstall ABS exciter ring. 13. Inspect and replace any damaged wheel or axle studs. 14. Install hub over axle tube. 15. Install outer bearing washer locking nuts and plate (torque to specs) 16. Install axle shaft with new seals and gaskets. 17. Install wedges, nuts and torque to specs. 18. Install drum and screws. 19. Install wheels and lug nuts (torque to specs) 20. Readjust slack adjuster. <p>Note: Add 0.1 hour for each lug or axle stud replaced.</p>

FIGURE 1 Sample page from a bus manufacturer's SRT manual (6).

This information may be provided in the maintenance manuals, service bulletins, and other related documentation of original equipment manufacturers (OEMs) and their equipment suppliers. Figure 1 shows a sample page from a transit bus manufacturer's maintenance manual, complete with time standards (6). OEMs do not automatically provide this information, so it should be requested as a part of the transit agencies' procurement specifications.

The OEM also typically provides detailed information in regard to the recommended PM programs. In their service manuals, subsystem suppliers provide similar information on the subsystems. Sometimes these service recommendations are included in the OEM manual; other times they are provided separately. Figure 2 shows a sample page from a heating, ventilating, and air conditioning (HVAC) supplier's service manual (7). It should be noted